

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization International Bureau



(43) International Publication Date
6 January 2005 (06.01.2005)

PCT

(10) International Publication Number
WO 2005/000201 A2

- (51) International Patent Classification⁷: **A61K**
- (21) International Application Number: **PCT/US2004/014540**
- (22) International Filing Date: 2 June 2004 (02.06.2004)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
60/475,402 2 June 2003 (02.06.2003) US
10/684,440 15 October 2003 (15.10.2003) US
- (63) Related by continuation (CON) or continuation-in-part (CIP) to earlier application:
US 10/684,440 (CIP)
Filed on 15 October 2003 (15.10.2003)
- (71) Applicant (*for all designated States except US*): **ISIS PHARMACEUTICALS, INC. [US/US]; 2292 Faraday Avenue, Carlsbad, CA 92008 (US).**
- (72) Inventors; and
- (75) Inventors/Applicants (*for US only*): **CROOKE, Rosanne, M. [US/US]; 3211 Piraqua Street, Carlsbad, CA 92009 (US). GRAHAM, Mark, J. [US/US]; 2305 S. Ola Vista, San Clemente, CA 92672 (US).**
- (74) Agent: **BAK, Mary, E.; Howson and Howson, 321 Norristown Road, Suite 200, Spring House Corporate Center, P.O. Box 457, Spring House, PA 19477 (US).**
- (81) Designated States (*unless otherwise indicated, for every kind of national protection available*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (*unless otherwise indicated, for every kind of regional protection available*): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

- without international search report and to be republished upon receipt of that report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

WO 2005/000201 A2

(54) Title: MODULATION OF APOLIPOPROTEIN (A) EXPRESSION

(57) Abstract: Compounds, compositions and methods are provided for modulating the expression of apolipoprotein(a). The compositions comprise oligonucleotides, targeted to nucleic acid encoding apolipoprotein(a). Methods of using these compounds for modulation of apolipoprotein(a) expression and for diagnosis and treatment of disease associated with expression of apolipoprotein(a) are provided.